(54) Title: CALCULATION OF SOFT DECISION VALUES USING RELIABILITY INFORMATION OF THE AMPLITUDE
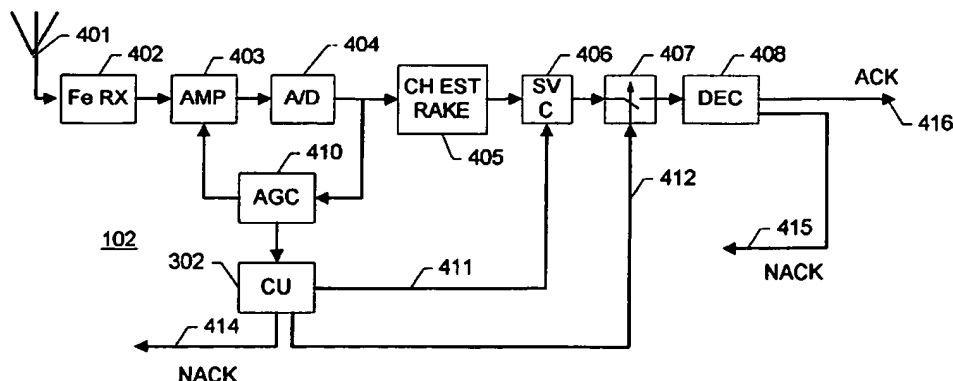


(57) Abstract: A method of decoding a communications signal in a digital communications system, where the communications
signal is modulated according to a modulation scheme, such as 16-QAM, including amplitude information. The method comprises
the steps of generating (406) a likelihood value for a received communications signal; decoding (408) the communications signal
based on at least the generated likelihood value. The method further comprises providing (302) a reliability indication of the ampli-
tude information conveyed by the received communications signal; and generating the likelihood value on the basis of the provided
reliability indication of the amplitude information.